

POTW PRETREATMENT ANNUAL REPORT

CITY OF GLENDALE, ARIZONA

COVER SHEET

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01-01-04 through 12-31-04

Name of Wastewater Treatment Plant: 91st Avenue WWTP

NPDES Permit Number: AZ0020524

Person to Contact Concerning City of Glendale Information Contained in the Report:

**John Watkins
Pretreatment Officer
City of Glendale
5901 N. Glen Harbor Blvd
Glendale, Arizona 85307
623-930-4758**

As required by 40 C.F.R. Section 122.22(b)(2):

I certify under penalty of law that all CITY OF GLENDALE attachments contained in this document were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Date

**Lawrence Brotman, Superintendent of Wastewater Operations
City of Glendale, Arizona**



CITY OF GLENDALE ARIZONA

Glendale is located in Maricopa County on the western border of Phoenix. With a population of approximately 235,000 it is the fourth largest city in Arizona. The City has grown from its original one square mile to 56.5 square miles today including the Luke Air Force Base annexation. Situated at 1,100 feet above sea level, Glendale has an annual rainfall of 7 inches and an average high temperature of 85 degrees Fahrenheit with an average low of 57 degrees.

Glendale was founded in 1892 by W.J. Murphy who persuaded B.A. Hadsell to bring his Brethren religious colony from Illinois to settle west of Phoenix. Incorporated as a town in 1910, agriculture and railway shipping sustained Glendale's early growth.

Glendale has a council / manager form of government. The mayor is elected at large every four years and six council members are elected from districts to serve four year terms.

The economic base of Glendale is diversified and continues to expand. Major employers in Glendale are government, health care, general merchandisers, building component assembly, education, and aerospace component manufacturing and assembly.

Luke Air Force Base is located on the western boundary of Glendale and is the largest fighter training base in the western world. Our Loop 101 and Glendale Avenue area is home to the NHL Coyote Arena and soon to be NFL Cardinals Stadium.

The Glendale Pretreatment Program officially began in 1983 as a requirement of the US EPA. The basis of this requirement is the 1972 Clean Water Act and the 1978 Federal General Pretreatment Regulations. The objectives of the Pretreatment Program are to prevent interference at the 91st Avenue Publicly Owned Treatment Works, prevent pass-through of pollutants from the treatment works, prevent contamination of treatment plant sludge to allow for land application or landfilling, and to protect the health and safety of our sewer and treatment plant personnel.

PRETREATMENT PERFORMANCE SUMMARY

I. General Information							
Control Authority Name: CITY OF GLENDALE			NPDES No.: AZ0020524 (City of Phoenix)				
Address: 5901 N. Glen Harbor		City: Glendale		State: Arizona		ZIP: 85307	
Contact Person: John Watkins, Pretreatment Officer				Contact Telephone Number: (623) 930-4758			
Reporting Period: 01-01-04 to 12-31-04		Categorical IUs: 2		Significant Noncategorical IUs: 1			
II. Significant Industrial User Compliance							
		Categorical		Noncategorical		Total SIUs	
		No.	%	No.	%	No.	%
1.	No. of SIUs in Full Compliance	1	50	1	100	2	67
2.	No. of SIUs in Inconsistent Compliance	0	0	0	0	0	0
3.	No. of SIUs in Significant NonCompliance	1	50	0	0	1	33
4.	No. of Parameter Violations	2		0		2	
5.	No. of Reporting Violations	0		0		0	
6.	No. of Permit Condition Violations	0		0		0	
III. Compliance Monitoring Program							
		Categorical		Noncategorical		Total SIUs	
1.	No. of Control Documents Issued	0		1		1	
2.	No. of Nonsampling Inspections Conducted	2		1		3	
3.	No. of Facilities Inspected (Nonsampling)	2		1		3	
4.	No. of Sampling Visits Conducted	28		4		32	
5.	No. of Facilities Sampled	2		1		3	
IV. Enforcement Actions							
		Categorical		Noncategorical		Total SIUs	
1.	Notices of Violations Issued to SIUs	1		0		1	
2.	Temporary Increase in IU Self Monitoring	1		0		1	
3.	Administrative Orders Issued to SIUs	0		0		0	
4.	Compliance Schedules Issued	0		0		0	
5.	Settlement Agreements	0		0		0	
6.	Other Actions	0		0		0	
7.	Amount of Penalties Collected	\$ 0		\$ 0		\$ 0	

CITY OF GLENDALE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT

NAME: American Pumping Service, Inc.		REPORT PERIOD: 01/01/04 to 12/31/04	
SERVICE ADDRESS: 6515 West Northview Glendale, Arizona 85301		MAILING ADDRESS: P.O. Box 6899 Glendale, Arizona 85312	
CATEGORICAL USER? No	40 CFR	LIMITS APPENDIX:	BMR SUBMITTED: N/A
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 04/12/04	PERMIT EXPIRES: 4/14/2007
SAMPLING LOCATION VERIFIED ON: 3/04/04		RCRA NOTICE:	
SLUG CONTROL PLAN EVALUATION DATE: N/A			

	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	1	0	0	0
Number of City Sampling Days	3	0	2	0
Number of IU Sampling Days	1	0	1	0
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	C	C	C
Evaluated as of:	7/6/04	7/6/04	2/2/05	2/2/05

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant NonCompliance
 If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit ug/L	Number of Measurements per Quarter

	1st Quarter (Jan 1 – Mar 31)	2 nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Enforcement Status	N	N	N	N

Enforcement Status Codes

A - Notice of Violation (NOV)
 B - Administrative Order (AO)
 C - Civil Action Filed
 D - Criminal Action Filed
 E - Pretreatment Settlement Agreement (PSA)

F - Assessment Monetary Penalties
 G - Restriction of Flow
 H - Permit Revocation
 I - Compliance Schedule Issued

J - Disconnection from Sewer
 K - Published in Newspaper as Significant Violator in Previous Year (SNC)
 L- Temporary Increase in IU Self Monitoring (TISM)
 N - No Enforcement Action

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: American Pumping Service, Inc.

Process Flow: 7352 gpd average, (2 - 3 batches /day)

General Information and type of wastewater treatment	<p>American Pumpings' pretreatment system is a non hazardous liquid waste dewatering system that consists of lime conditioning, polymer addition, and belt press dewatering. They batch treat grease trap waste, and discharge an average of 7352 gallons per day 20 days per month. They monitor pH weekly, and monitor flow daily during batch discharges.</p>
First Quarter	
<p>City personnel sampled this facility for 3 days in March and the facility was inspected March 4 with no violations being noted.</p>	
Second Quarter	<p>No enforcement actions this quarter American Pumping industrial discharge permit was renewed on April 12, 2004.</p>
Third Quarter	
<p>This facility was sampled 2 days this quarter with no enforcement actions.</p>	
Fourth Quarter	<p>No enforcement actions this quarter.</p>

To be published for this year in newspaper as a significant violator? Yes X No

Penalties this reporting Year: Assessed \$ -0- / Collected \$ -0-

CITY OF GLENDALE

SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT

NAME: Corning Gilbert Incorporated			REPORT PERIOD: 01/01/04 to 12/31/04		
SERVICE ADDRESS: 5310 West Camelback Road Glendale Arizona 85301			MAILING ADDRESS: P.O. Box 23189 Phoenix, Arizona 85063		
CATEGORICAL USER?	Yes	40 CFR 433.15	LIMITS APPENDIX:		BMR SUBMITTED: 08-21-84
TTO CERTIFICATION DATE SUBMITTED: 11/04/04			PERMIT EFFECTIVE: 5/12/03		PERMIT EXPIRES: 3/31/08
SAMPLING LOCATION VERIFIED ON: 2/19/04			RCRA NOTICE: 06-08-90		
SLUG CONTROL PLAN EVALUATION DATE: 8/5/03					

	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4 th Quarter (Oct 1 - Dec 31)
Number of Inspections	1	0	0	0
Number of City Sampling Days	6	6	6	6
Number of IU Sampling Days	5	4	5	5
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	C	C	C
Evaluated as of:	7/06/04	7/06/04	2/02/05	2/02/05

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant NonCompliance

If company is in I or S, then the following table applies

Quarter	Type of Violation	Date of Violation	Sample Grab or Composite	Limit City or Federal	Monitoring City of IU	Parameter	Value / Limit mg/L	Measurements per Quarter

	1 st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Enforcement Status	K	N	N	N

Enforcement Status Codes

A - Notice of Violation (NOV)
 B - Administrative Order (AO)
 C - Civil Action Filed
 D - Criminal Action Filed
 E - Pretreatment Settlement Agreement (PSA)

F - Monetary Penalties Assessed
 G - Restriction of Flow
 H - Revocation of Permit
 I - Compliance Schedule Issued
 J - Disconnection of Service

K - Published in Newspaper as Significant Violator (SNC) in prior year
 L - Temporary Increase in Self Monitoring (TISM)
 N - No Enforcement Action

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Corning Gilbert, Inc.

Process Flow: 102,718 gpd (Average)

General Information and type of wastewater treatment

This facility manufactures coaxial cable connectors. Pretreatment consists of hydroxide precipitation, chemical oxidation, stream segregation, filtration, sedimentation, and pH neutralization. Corning-Gilbert monitors flow and pH on a daily basis.

First Quarter

City personnel sampled this facility January 26,27,28,29,30 and February 3. They were inspected February 19. Corning Gilbert was notified on February 17, 2004, that they were in SNC for the 2003 reporting year and would be published in the newspaper in March, 2004. This SNC was based on cyanide excursions from April 2003.

Second Quarter

City personnel sampled this facility May 24,25,26,27,28, and June 2.

Third Quarter

This facility was sampled by City personnel August 16,17,18,19,20 and September 3.
No enforcement actions this quarter.

Fourth Quarter

This facility was sampled by City personnel October 25,26,27,28,29, and November 4.
No enforcement actions this quarter.

To be published for this year in newspaper as a significant violator? ____ Yes X No

Penalties this reporting Year: Assessed \$ -0- / Collected \$ -0-

**CITY OF GLENDALE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Presto Casting Company				REPORT PERIOD: 01/01/04 to 12/31/04	
SERVICE ADDRESS: 5440 West Missouri Ave Glendale Arizona 85301			MAILING ADDRESS: P.O. Box 1059 Glendale, Arizona 85311		
CATEGORICAL USER?	Yes	40 CFR 433.15	LIMITS APPENDIX:		BMR SUBMITTED: 12/29/88
TTO CERTIFICATION DATE SUBMITTED: NA			PERMIT EFFECTIVE: 4/15/03		PERMIT EXPIRES: 4/15/08
SAMPLING LOCATION VERIFIED ON: 2/12/04			RCRA NOTICE: 06/08/90		
SLUG CONTROL PLAN EVALUATION DATE: 7/29/03					

	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	1	0	0	0
Number of City Sampling Days	4	0	4	0
Number of IU Sampling Days	2	5	2	1
Number of Parameter Violations	0	2	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Condition Violations	0	0	0	0
Compliance Status	C	S	C	C
Evaluated as of:	7/06/04	7/06/04	2/02/05	2/02/05

COMPLIANCE CODES: C=Compliance; I= Inconsistent Compliance; S=Significant NonCompliance;
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit (mg/L)	Number of Measurements per Quarter
2	Daily Limits	4/14/04	C	City	IU	Chromium	15 / 1.4	5
2	Monthly Limits	4/14/04	C	Federal	IU	Chromium	15 / 1.7	5

	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Enforcement Status	N	A, L	N	N

Enforcement Status Code

A - Notice of Violation (NOV)
B - Administrative Order (AO)
C - Civil Action Filed
D - Criminal Action Filed

F - Monetary Penalties Assessed
G - Restriction of Flow
H - Revocation of Permit
I - Compliance Schedule Issued

K - Published in Newspaper as Significant Violator (SNC)
in Prior Year
L - Temporary Increase in Self Monitoring (TISM)
N - No Enforcement Action

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Presto Casting Company
Process Flow: 4,164 gpd (Average)

General Information and type of wastewater treatment

Presto Casting is a division of Magellan Aerospace Corporation and produces aluminum and magnesium parts by casting. Pretreatment system consists of treating chrome rinse water by reducing chrome III with SO₂, neutralizing, then sending through a filter press. Non chrome rinse baths are batch reduced then released. There is no discharge to the sewer from their casting quench operation. Flow and pH are monitored on a continuous basis.

First Quarter

Presto Casting was sampled by City personnel January 27,28,29,30. City personnel inspected Presto on February 12.
No enforcement action this quarter.

Second Quarter

April 28, 2004, Presto Casting notified the City of a chromium excursion during April self monitoring. Subsequently they were issued a NOV on May 10 that included a TISM with the TISM results indicating a return to permit compliance. However, they are SNC for this reporting period based upon monthly TRC violation. This is based on the monthly averages for chromium for January of 0.031mg/L, April of 7.5mg/L, and May of 0.32mg/L. There were no samples taken in February, March or June.

Third Quarter

City personnel sampled this facility August 10,11,12,13 with no violations noted.
No enforcement actions this quarter.

Fourth Quarter

No enforcement actions this quarter.

To be published for this year in newspaper as a significant violator? X Yes No
Penalties this reporting Year: Assessed \$ 0 / Collected \$ 0

Glendale Pretreatment Program

Significant Industrial Users (SIU)

American Pumping Company

7220 N. 65th Avenue

Glendale, Arizona 85301

Signatory: Perry French, Owner

Contact: Perry French

Phone: 602-252-8111

Local Limits Only

SIC: 7699,1711

Corning-Gilbert Inc.

5310 West Camelback Road

Glendale, AZ 85301

Signatory: Ms. Ann Skanadore, Laboratory Director

Contact: Mr. Dan Reeves

phone: 602-245-1050

40 CFR 433, Local Limits

SIC: 3644,3471

Presto Casting Company

5440 West Missouri Ave

Glendale, AZ 85301

Signatory: Mr. Peter Clark, VP & General Manager

Contact: Mr. Paul Faulkner

phone: 602-939-9441

40 CFR 433, Local Limits

SIC: 3361,3479

SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES	
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Total Expenditures Budget Year 2004:	\$ 409,142
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PRETREATMENT PROGRAM PERSONNEL	
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Pretreatment Program Officer	1 FTE
Pretreatment Program Inspector	4 FTE

[illegible]

Computer Upgrades & Equipment	\$	10,562
Chemicals, Sampling Supplies	\$	25,203
Office Supplies	\$	1,735
Laboratory Analysis	\$	64,155
Maintenance	\$	12,334
Personnel Expenses	\$	295,153

PRETREATMENT EQUIPMENT INVENTORY	
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	<u>Purchase 2004</u>	<u>Total 2004</u>
Computers	2	8
Samplers	1	6
Flowmeters	1	3
pH Meters		3
Vehicles		5
Gas Detectors	3	3



City of Glendale Pretreatment Program

Pollution Prevention Through Point Source Control Measures

Introduction

Section C.1 of the National Pollutant Discharge Elimination System (NPDES) Permit No. AZ0020524 requires Sub-Regional Operating Group (SROG) member cities to submit progress reports detailing efforts pertaining to pollution prevention through point source control measures. The City of Glendale's activities of January through June 2004 are summarized below.

Point Source Control Program

Pollutants of Concern:

Businesses that have the potential to discharge pollutants of concern have been found in 52 different SIC code designations within the City of Glendale. Our revised database indicates a total of 2506 such businesses in Glendale and pollution prevention inspections were performed at 328 of these businesses in 2004. Educational materials regarding waste minimization and pollution prevention were handed out during inspections. Our commercial inspection program includes all businesses with pollutants of concern including laundries, dry cleaners, beauty shops, automotive repair, car washes, medical facilities, and public schools.

Oil & Grease Program:

Our database currently identifies 977 restaurants, taverns and other eating establishments that have oil and grease discharges and thus receives periodic inspections by the City. There were a total of 327 grease trap inspections performed during 2004.

Significant Industrial Users (SIUs):

Semi-annual sampling is routinely conducted each year at American Pumping and Presto Casting Company and quarterly compliance sampling is performed at Corning Gilbert, Inc. These businesses are also inspected on an annual basis to ensure compliance with industrial discharge permit requirements. We periodically review tax and license records, planning department information and field investigations to find other potential significant industrial users.

Other Industrial Users:

Annual inspections are also conducted at Stone Container, Thunderbird Samaritan Hospital, Gaylord Container, and Magellan Aerospace Turbine Services, formerly National Flight.

Stormwater Program:

Pretreatment personnel are also responsible for performing stormwater related duties. This year we conducted 151 stormwater outfall inspections, inspected 7 City facilities, conducted 67 stormwater related business inspections and reviewed 5 *Conditional No Exposure* applications. We routinely hand out information regarding stormwater control responsibilities and Stormwater BMP fact sheets to such businesses. We currently have 294 businesses within the EPA stormwater listed SIC codes in our 'Stormwater' database.

City of Glendale NPDES Annual Report 2004

Pretreatment Program Changes and Other Activities

Program Changes

The major change this past year for our Pretreatment Program was the culmination of the Malcolm Pirnie / SROG local limits study that resulted in local limits changes being modified and approved by ADEQ. We subsequently changed our local sewer use ordinance to reflect these changes with an effective date of January 1, 2005. Details of said changes can be found at our Pretreatment website, www.glendaleaz.com/utilities/pretreatment , or at the Malcolm Pirnie SROG site, <http://projects.pirnie.com/ProjectsSites/SROGLL/> .

Staff Changes

Two inspector vacancies occurred in our Pretreatment Division in August this year with replacements scheduled to begin in January 2005.

Domestic Site Sampling

Sampling was performed at our domestic site location at 65th Avenue and Onyx Street on February 18 and 19, 2004. This is a long term and ongoing sampling program in which the data collected is utilized for local limits development and to assess the domestic contribution of pollutants into our wastewater systems.

SROG Participation

Glendale Pretreatment personnel participate in monthly Subregional Operating Group (SROG) Technical Advisory Committee meetings held at the AMWUA offices in Phoenix. In 2004 we finalized updating our local discharge limits and incorporated the new limits into the individual SROG members' city ordinances by December. Glendale personnel also attend SROG meetings held monthly regarding the 91st Ave POTW Metering Stations Impact Study. The first quarter of 2004 a Multi Cities FOG (floatable oil & grease) Interest Group was formed with several valley cities participating with the intent to standardize FOG related policy and ordinance requirements for valley businesses that discharge wastewater effluent containing food related oil and grease. This group now routinely meets on a monthly basis to discuss FOG related issues.

Training / Seminars Attended By Pretreatment Personnel

- City of Glendale annual refresher courses in confined space, respirator certification, environmental awareness, hazard communications, hazardous materials transportation, laboratory safety, bloodborne pathogens, fire extinguisher, gas monitor usage, and process safety.
- 8 hour Hazwoper refresher classes
- Annual AWPCA conference in Mesa
- EPA/WEF Advanced Grease Seminar in Houston in November
- AWPCA Pretreatment Conference in Yuma in February
- ADEQ Drinking Water & Wastewater Workshop
- ADHS Groundwater and Drinking Water Sampling Techniques

Public Participation / Education

Public meetings regarding local limits changes were held in May and a formal public was held in July. Public notices were published in local newspapers in June. The public notice and background information was distributed to several valley libraries including the Glendale Public Library and was also posted on the web at <http://projects.pirnie.com/ProjectSites/SROGLL>

A Pretreatment Program website is available through the City of Glendale Homepage at the internet address: **www.glendaleaz.com/utilities/pretreatment/**

During business inspections we routinely handout brochures entitled *City of Glendale Pretreatment Program*, *Pollution Prevention for Automotive Maintenance and Repair Shops*, *Pocketguide to Grease Traps and Interceptors for Eating Establishments*, *Fat-Free Sewers (Pub in English and Spanish)*, *Pollution Prevention Begins With You*, and the *ADEQ Managing Hazardous Waste Handbook*.

CITY OF GLENDALE

List of industries in SNC (Significant NonCompliance) for 2004

Industrial User	Nature of Violation Type of Pollutant	Date of Last Non Compliance	Has User Returned To Compliance Status as of 12/31/04	Number of times Published	Nature of Enforcement Action	Comments
5440 W. Missouri Glendale, AZ 85301	Monthly Limit Total Chromium	4/30/04	Yes	2	NOV	Facility has discontinued use of chromium

